

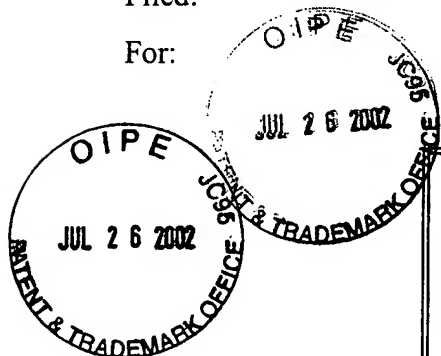
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: H. William Harris, Edward M. Brown, and Steven C. Hebert

Application No.: 10/016,496 Group: 1646

Filed: December 10, 2001 Examiner: Not assigned

For: POLYCATION-SENSING RECEPTOR IN AQUATIC SPECIES  
AND METHODS OF USE THEREOF



CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202	
on <u>7/23/02</u>	<u>Annie Demirel</u>
Date	Signature
<u>Annie Demirel</u>	
Typed or printed name of person signing certificate	

REPLY TO NOTICE TO FILE MISSING PARTS OF APPLICATION

Box Missing Parts  
Assistant Commissioner for Patents  
P.O. Box 2327  
Arlington, VA 22202

Sir:

In reply to the Notice to File Missing Parts dated May 23, 2002, the following documents and fees are being submitted for filing in the captioned application. A copy of the Notice is attached.

[ ] **EXECUTED DECLARATION FOR PATENT APPLICATION**

*(Separate transmittal letter and postcard not required)*

[ ] **POWER OF ATTORNEY DOCUMENT**

[ ] **GRANTED BY INVENTOR(S)**

[ ] **GRANTED BY ASSIGNEE, including Statement under 37 C.F.R. 3.73(b)**

*(Separate transmittal letter and postcard not required)*

[ ] **PRELIMINARY AMENDMENT**

*(Separate transmittal letter and postcard not required)*

[ X ] **FILING FEE - with Fee Transmittal for Patent Applications in duplicate**

Fee calculations based on:

[X] Claims as originally filed

[ ] Claims upon entry of the Preliminary Amendment filed [herewith] [with the application]

*(Separate transmittal letter and postcard not required)*

[ X ] **SURCHARGE - surcharge fee of \$130.**

*(Separate transmittal letter and postcard not required)*

☐ **SEQUENCE LISTING** - Filed concurrently and is attached

*(Separate transmittal letter and postcard required)*

☐ **SUBSTITUTE DRAWINGS**

☐ Sheets of substitute drawings consisting of Figs. 1 - [ ] are enclosed

*(Separate transmittal letter and postcard not required)*

☐ **PETITION FOR EXTENSION OF TIME**

☐ Applicant hereby petitions to extend the time to respond to the Notice to File Missing Parts dated [ ] for [ ] month(s) from [ ] to [ ]  
The appropriate fee of \$[ ] is included in the enclosed check

☐ A [ ] month extension of time to respond to the Notice to File Missing Parts dated [ ] was filed on [ ] with payment of a \$[ ] fee

☐ Applicant hereby petitions for an additional [ ] month extension of time to respond to the Notice to File Missing Parts. The appropriate fee of \$[ ] is included in the enclosed check

*(Separate Petition for Extension of Time and postcard not required)*

☐ **REQUEST FOR CORRECTED FILING RECEIPT** - Filed concurrently and is attached

*(Separate transmittal letter and postcard required)*

☐ **STATEMENT CLAIMING SMALL ENTITY STATUS**

☐ Was filed on [ ]

☐ Is enclosed herewith

*(Separate transmittal letter and postcard not required)*

☐ In view of the small entity status of the captioned application, we hereby request a reimbursement of 50% of the filing fees in the amount of \$[ ] which were paid on [ ] to be deposited in Deposit Account No. 08-0380

The fees required for filing the indicated documents are enclosed in the form of a check in the total amount of \$1,458. Please charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. A copy of this letter is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Antoinette G. Giugliano  
Antoinette G. Giugliano

Registration No.: 42,582

Tel.: (978) 341-0036

Fax: (978) 341-0136

Concord, Massachusetts 01742-9133

Date: 7/23/02



Initials: DEB/AGG/ead      Docket No.: 2856.1001-011      Date: 07/23/02  
This is to acknowledge receipt of the following documents each filed under Certificate of  
Mailing Procedure 37 C.F.R. 1.8:

☒ Reply to Notice to File Missing Parts w/copy (Formalities Letter Attached)  
\_\_\_\_\_ including Pet Ext Time w/fee  
\_\_\_\_\_ EXECUTED DECL. FOR PATENT APPLICATION - Total pages \_\_\_\_\_  
\_\_\_\_\_ EXECUTED POA by \_\_\_\_\_ Assignee \_\_\_\_\_ Applicant/Inventor - No. of Docs. \_\_\_\_\_  
\_\_\_\_\_ Statement under 3.73(b) \_\_\_\_\_ Copy of Assignment - No. of Docs. \_\_\_\_\_  
☒ FILING FEE w/Fee Transmittal w/copy      ☒ SURCHARGE included  
\_\_\_\_\_ Stmt of Small Entity Status  
\_\_\_\_\_ PRELIMINARY AMENDMENT \_\_\_\_\_ SEQ LIST (separate transmittal)  
\_\_\_\_\_ SUBSTITUTE DRAWINGS [ ] sheets Figs. 1 - [ ]  
\_\_\_\_\_ CHANGE OF CORRESPONDENCE ADDRESS, separate paper  
☒ Check for \$ 1,458 \_\_\_\_\_ Authorization to Charge all Fees  
☒ Other Information Disclosure Statement w/1449 (5 pages).

Applicants: H. William Harris, *et al.*

Application No.: 10/016,496

Filed: December 10, 2001

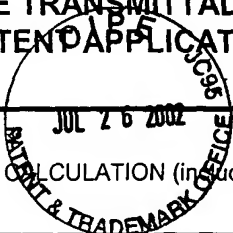
Title: "Polycation-Sensing Receptor in Aquatic Species and Methods of Use Thereof"

Date received by the PTO:

::ODMA\MHODMA\IMANAGE;328101;1

# HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

<b>FEE TRANSMITTAL FOR PATENT APPLICATIONS</b>		Attorney Docket Number		2856.1001-011	
		Application Number		10/016,496	
		First Named Inventor		H. William Harris	



CLAIM CALCULATION (includes any preliminary amendment)

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
TOTAL CLAIMS <small>(37 CFR 1.16(c) or (j))</small>		10 - 20* =	0	x \$ 18 =	\$ 0
INDEPENDENT CLAIMS <small>(37 CFR 1.16(b) or (i))</small>		10 - 3** =	7	x \$ 84 =	\$ 588
MULTIPLE DEPENDENT CLAIMS (if applicable) <small>(37 CFR 1.16(d))</small>				+ \$ 280 =	\$
				BASIC FEE <small>(37 CFR 1.16(a) or (h))</small>	\$ 740
				Total of above Calculations =	\$ 1328
Reduction by 50% for filing by small entity <small>(37 CFR 1.9, 1.27, 1.28)</small> =					\$
TOTAL =					\$ 1328
Surcharge - Late Filing of Declaration or Filing Fees <small>(37 C.F.R. 1.16(e))</small> =					\$ 130
Petition for Extension of Time Fee <small>(37 C.F.R. 1.17)</small> =					\$
Assignment Recordation Fee = <small>(only when filed with application)</small>					\$
* Reissue claims in excess of 20 and over original patent ** Reissue independent claims over original patent				TOTAL =	\$ 1458

1. Small entity status:

a. ☐ A small entity statement is enclosed.

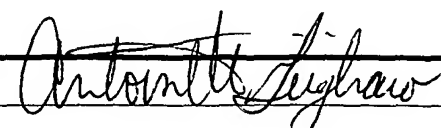
b. ☐ A small entity statement was filed in the prior non-provisional application and such status is still proper and desired.

c. ☐ Is no longer claimed.

2. ☒ A general authorization is hereby granted to charge deposit account number 08-0380 for any fees required under 37 CFR 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.

3. ☒ A check is enclosed for \$1,458.      ☐ Please charge \$[    ] to Deposit Account No. 08-0380.

4. ☐ Other: \_\_\_\_\_

Signature		Date	7/23/02
Submitted by Typed or Printed Name	Antoinette G. Giugliano	Reg. Number	42,582



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/016,496	12/10/2001	H. William Harris	2856.1001-011

CONFIRMATION NO. 7764

## FORMALITIES LETTER



\*OC000000008177383\*

021005  
HAMILTON, BROOK, SMITH & REYNOLDS, P.C.  
530 VIRGINIA ROAD  
P.O. BOX 9133  
CONCORD, MA 01742-9133

Date Mailed: 05/23/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

Items Required To Avoid Processing Delays:

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- Additional claim fees of **\$588** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$1458** for a Large Entity

- |   |                   |                   |           |
|---|-------------------|-------------------|-----------|
| • \$740 Statutory basic filing fee.                           | 07/29/2002 JADD01 | 00000015 10016496 |           |
| • \$130 Late oath or declaration Surcharge.                   | 01 FC:101         |                   | 740.00 OP |
| • Total additional claim fee(s) for this application is \$588 | 02 FC:105         |                   | 130.00 OP |
|   | 03 FC:102         |                   | 588.00 OP |

- \$588 for 7 independent claims over 3.

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*A copy of this notice MUST be returned with the reply.*



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Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE